

Please cancel claims 1-14 and add the following new claims:

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15. A method for allocating a channel requested for a telecommunication link via a telecommunication network between a caller and a called party, the method comprising the steps of: selecting at least one physical channel having a different wanted-to-unwanted signal ratio when a data channel is requested than when a voice channel is requested; and allocating a physical channel for an air interface in a mobile radio network.

16. A method as defined in claim 15, wherein the selecting step includes preferentially selecting when a data channel is requested, at least one physical channel having a better wanted-to-unwanted signal ratio than when a voice channel is requested.

17. A method as defined in claim 15, including allocating a number of physical channels to one data channel.

18. A method as defined in claim 16, wherein the better wanted-to-unwanted signal ratio of a data channel compared with a voice channel is achieved by allocating, in a mobile radio cell, at least one physical channel in each case to a data channel the disturbance of which by physical channels of at least one of identical and adjacent frequencies in adjacent radio cells is less than in the case of other physical channels.

19. A method as defined in claim 15, wherein the data channel is one of a bidirectional and unidirectional simplex or duplex channel connected between the caller and the called party.

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20. A method as defined in claim 15, including packet-switching data transmission between the caller and the called party.

21. A method for planning a mobile radio network, comprising selecting at least one physical channel having a different wanted-to-unwanted signal ratio for a data channel than for a voice channel.

22. A method for planning a mobile radio network, comprising selecting at least one physical channel having a better wanted-to-unwanted signal ratio for a data channel than for a voice channel.

23. A method for planning as defined in claim 22, including achieving the better wanted-to-unwanted signal ratio of a data channel compared with a voice channel by allocating in a mobile radio cell in each case at least one physical channel to a data channel having disturbance by physical channels of the same and/or adjacent frequencies in adjacent radio cells that is less than in other physical channels.

24. A method for planning as defined in claim 21, including achieving the different wanted-to-unwanted signal ratio of a data channel compared with a voice channel by

allocating in a mobile radio cell in each case at least one physical channel to a data channel having disturbance by physical channels of the same and/or adjacent frequencies in adjacent radio cells that is less than in other physical channels.

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25. A mobile radio telecommunication network, comprising a plurality of adjoining mobile radio cells having channel allocation devices for allocating requested channels to at least one of a caller and a called party, the channel allocation devices being operative so that at least one physical channel having a different wanted-to-unwanted signal ratio is selected when a data channel is requested than when a voice channel is requested, the allocation of a physical channel being effected for an air interface in a mobile radio network.

26. A mobile radio telecommunication network as defined in claim 25, wherein the allocation devices are operative to select at least one physical channel having a better wanted-to-unwanted signal ratio when a data channel is requested than when a voice channel is requested.

27. A mobile radio telecommunication network as defined in claim 25, wherein a number of physical channels are allocated to one data channel.

28. A mobile radio telecommunication network as defined in claim 26, wherein the allocation devices are operative to select the better wanted-to-unwanted signal ratio of a data channel compared with a voice channel by allocating in a mobile radio cell in each case at least one physical channel to a data channel, the disturbance of which by physical channels of at least